The Korean Intellectual Property Office (KR) Publication of Application (A)

(51) Int.CI. H04M 1/23

(11) Publication No

10-2001-0039239

(43) Publication Date

2001-05-15

(21) Application No

10-1999-0047543

(22) Application Date

1999-10-29

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■ Examination Requested : Requested

(54) EXPANDED TELEPHONE KEYPAD SYSTEM ACCEPTING KOREAN CHARACTERS

Abstract

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It is an object of the present invention to provide the keyboard system for the hangul input in which when it inputs the Hangul letter through a phone, a user easily can input Hangul. According to the present invention, provided is the consonant of Hangeul keyboard unit: in which the consonant of Hangeul is arranged in the Arabia button key of 10 as to for phone Korean character keypad system in which at the same time, the consonant of Hangeul and vowel of Hangeul are juxtaposed in the Arabia number button key of 10 according to the normal procedure it includes 10 Arabic numerals (0 ~ 9) button keies and 2 speciality service button ke (*, #) and for phone Korean character keypad system which is separately prepared, and is made including th vowel of Hangeul keyboard unit in which the vowel of Hangeuls of 10 are arranged according to the normal procedure. ·

Representative Drawing(s)

Fig. 1

Descritption

Brief explanation of the drawing

2 Fig. 1 is a configuration diagram of the keyboard system for the hangul input of 4x5 size according to the emb of the present invention.

- 3 Fig. 2 is a configuration diagram of the keyboard system for the hangul input of 4x5 size according to another embodiment of the present invention.
- 4 Fig. 3 is a configuration diagram of the keyboard system for the hangul input of 4x5 size according to another embodiment of the present invention.
 - Details of the Invention
 - Purpose of the Invention

The Technical Field to which the Invention Belongs and the Prior Art in that Filed

- 5 The present invention relates to the keyboard system for the hangul input in which it is the thing about the key system for the hangul input of a phone, and a user easily can input Hangul in case of inputting the Hangul lett through especially, a phone.
- As to the conventional phone keyboard system, because of being made as the purpose of pressing the teleph number of an opponent, it had been being used in the use which mainly pressed a number. But recently, the input the name of the simple text message or the opponent and reciprocity etc. gradually increases. Many me inputting Hangul to the existing phone keyboard system had been being proposed to this purpose.
- 7 But the so far proposed different method was the mode which mostly assigned the Korean alphabet to the ph keyboard of the existing 4x3 size. That is, it was very complicated since assigning 24 Korean alphabets to 12 The key arrangement was complicated. Therefore, therefore the method for pressing this was complicated. The number of average height which it has to press in order to input were one character element many.
- As to the Korean character input function of the existing handphone, it can know that the effort of being many necessary for the stem learning a function. That is, the learning of a function was hard. The learning had the partial that most of users well did not use a function.
- The key had to be pressed in the existing keyboard over the average 1.5 time in order to input the experimen and one character element. The man using the hangul input telephone keyboard heard a method with descrip the average time to directly input the name of 13 and the simple sentence of 3 but hang was measured, the n 270 second or 300 second. As to this, and the method of use becomes easily skilled that the existing keyboar does not coincide with the common sense of the general person.

Technicalichallengesjofithe, Invention,

10 It is an object of the present invention to provide the keyboard system for the hangul input which is to solve provide the conventional technology worked out like above statement, and in which a user easily can input Hang of inputting the Hangul letter through a phone.

Structure & Operation of the Invention

The purpose as described above is before achieved. And according to the present invention, provided is the consonant of Hangeul keyboard unit: in which the consonant of Hangeul is arranged in the Arabia button key to for phone Korean character keypad system in which at the same time, the consonant of Hangeul and vowe Hangeul are juxtaposed in the Arabia number button key of 10 according to the normal procedure it includes numerals (0 ~ 9) button keies and 2 speciality service button key (*, #) and for phone Korean character keypa

- which is separately prepared, and is made including the vowel of Hangeul keyboard unit in which the vowel of Hangeuls of 10 are arranged according to the normal procedure.
- 12 In the lower part, it will do with reference to the drawing will attaching the preferred embodiment and it circum will illustrate.
- 13 Fig. 1 is a configuration diagram of the keyboard system for 4x5 hangul input according to the embodiment of present invention. This is described in more detail that, the same as that of the next time.
- 14 The keyboard for 4x5 hangul input according to a preferred embodiment of the present invention has with the key (101) and special keies (102, 103) which are in the existing phone keyboard. Here, the key (104) for the larger the Korean consonant input and vowel input were separately separated and it included. The next characte the delete key for correcting the input halfway error and free space or the syllable completion was included.
- 15 It inputs according to the phoneme order when to inputting Hangul. It has to do within 0.5 second to be repetil yellowish in case several character elements are allocated in one key. After being poor at an input the delete pressed and one character element is erased, it again inputs. Below complementary presses the next character with a twice to write separately.
- A consonant presses as it shows up in the consonant board (101). If if the letter used at first time repeats with and it presses, if it presses with the single the letter used in the second repeats with Severn and it presses, the used in the third is input. It is limited in case two or more consonants are allocated in one key. It regards becausing the beginning of one key tone fold.

- Fig. 3 is a configuration diagram of the keyboard system for 4x5 hangul input according to another preferred embodiment of the present invention. Was identical all with the <u>figs. 1</u> and <u>figs. 1</u> The Hangul vowel keyboard was arranged to cross each other to the Hangul consonant board. This mode has the advantage that the time reduced down in the stem in which a user finds a keyboard because the location of the Hangul vowel keyboard Hangul consonant board is sweet.

Effects of the Invention

- As described in detail in the above, the present invention has the effect that the consonant of Hangeul keyboard and vowel of Hangeul keyboard unit are separated in order to be similar to the common sense of a man. In the Hangul can be easily by intuition inputted.
- 21 In the above, the technical spirit about the present invention was described with the attached view but it most illustratively illustrates the preferred embodiment of the present invention but this does not limit the present in Moreover, it is the obvious fact that the deformation and the various emulation are possible in the range that obreak away from the category of the anyone or the technical spirit of the present invention if it is a person skill

art of this technical field.

Scope of Claims

Claim[1]:

22 For phone Korean character keypad system of for phone Korean character keypad system in which it include: Arabic numerals (0 ~ 9) button keies and 2 speciality service button key (*, #); and at the same time, the cons Hangeul and vowel of Hangeul are juxtaposed in the Arabia number button key of 10, wherein it is separately with the consonant of Hangeul keyboard unit in which the consonant of Hangeul is arranged in 10 Arabia butt according to the normal procedure; and it is made including the vowel of Hangeul keyboard unit in which the hangeuls of 10 are arranged according to the normal procedure.

Claim[2]:

For phone Korean character keypad system of claim 1, wherein the vowel of Hangeul keyboard unit more inc first Hangul vowel button: in which ' !} ' and ' !} ' are arranged and the second Hangul vowel button in which ' !} are arranged and it is made.

Claim[3]:

29 For phone Korean character keypad system of claim 1 or 2, wherein the vowel of Hangeul keyboard unit is ar be crossed with the consonant of Hangeul keyboard unit.



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• Fig. 1

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• Fig. 2

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• Fig. 3